



SEQUENCE LISTING

<110> EICKMANN, MARKUS
GICKLHORN, DOROTHEE
RADSACK, KLAUS
HAUSER, HANS-PETER
GIESENDORF, BERNHARD

<120> VARICELLA ZOSTER VIRUS (VZV) IMMUNOREACTIVE PROTEIN
VP26 AND ITS DIAGNOSTIC USE

<130> 38137-0018

<140> 09/874,140
<141> 2001-06-01

<150> 09/219,337
<151> 1998-12-23

<150> DE 197 57 765.2
<151> 1997-12-23

<160> 7

<170> PatentIn Ver. 3.3

<210> 1
<211> 705
<212> DNA
<213> Varicella Zoster Virus

<220>
<221> CDS
<222> (1)..(705)

<400> 1
atg aca caa ccc gca tgc tct cgt gta gtc ttt gat ccc agc aac ccc 48
Met Thr Gln Pro Ala Ser Ser Arg Val Val Phe Asp Pro Ser Asn Pro
1 5 10 15
acc aca ttt tgc gtg gaa gca att gcg gct tac acc ccc gtt gct tta 96
Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
20 25 30
ata cga ctt tta aac gcc agt gga cct ttg caa cct ggt cac cgt gtg 144
Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
35 40 45
gac atc gct gat gcc aga agc att tac acc gtg gga gcc gcg gcc agt 192
Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
50 55 60
gcc gcg cgt gca cgc gct aac cat aat gca aat acg ata cgc cga acg 240
Ala Ala Arg Ala Arg Asn His Asn Ala Asn Thr Ile Arg Arg Thr
65 70 75 80

gcc atg ttt gcc gag act gac cct atg aca tgg tta aga cca acg gtt 288
 Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
 85 90 95

ggc tta aaa cgt acg ttt aac ccg cgt att ata cga cca caa ccc cca 336
 Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
 100 105 110

aat cca tcc atg agt ttg gga atc tcg ggg cct act ata ttg ccg caa 384
 Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
 115 120 125

aaa aca cag agc gcc gat cag tct gct tta caa cag ccc gcc gcg ttg 432
 Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
 130 135 140

gcg ttt tcg gga tca tcc ccg caa cac ccc cca cct caa acg acg tcg 480
 Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
 145 150 155 160

gca tcc gtt gga caa cag caa cac gtg gtg tcg ggg tct tct gga caa 528
 Ala Ser Val Gly Gln Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
 165 170 175

caa ccg caa cag gga gca cag tca agc act gtc cag cca aca acc gga 576
 Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
 180 185 190

tca ccg ccc gcg gcc caa ggc gtg cca cag tct acc ccg ccc cca acc 624
 Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
 195 200 205

caa aat acc ccc cag ggg ggt aag gga cag acc ttg tca cac acg gga 672
 Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
 210 215 220

caa tct gga aac gct tca aga agt cgt agg gtg 705
 Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
 225 230 235

<210> 2

<211> 235

<212> PRT

<213> Varicella Zoster Virus

<400> 2

Met Thr Gln Pro Ala Ser Ser Arg Val Val Phe Asp Pro Ser Asn Pro
1 5 10 15

Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
20 25 30

Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
35 40 45

Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
50 55 60

Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn Thr Ile Arg Arg Thr
65 70 75 80

Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
85 90 95

Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
100 105 110

Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
115 120 125

Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
130 135 140

Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
145 150 155 160

Ala Ser Val Gly Gln Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
165 170 175

Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
180 185 190

Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
195 200 205

Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
210 215 220

Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
225 230 235

<210> 3
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 3
ggaattccgg atgacacaac ccgcatcgtc tcgtgta

37

<210> 4
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 4
gctctagatt acaccctacg acttcttgaa gcgtttcc

38

<210> 5
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 5
 ggaattccgc gcctgcaggt cgacactagt ggat 34

<210> 6
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 6
 cggatccgat cccagcaacc ccaccac 27

<210> 7
 <211> 224
 <212> PRT
 <213> Varicella Zoster Virus

<400> 7
 Asp Pro Ser Asn Pro Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr
 1 5 10 15
 Thr Pro Val Ala Leu Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln
 20 25 30
 Pro Gly His Arg Val Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val
 35 40 45
 Gly Ala Ala Ala Ser Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn
 50 55 60
 Thr Ile Arg Arg Thr Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp
 65 70 75 80
 Leu Arg Pro Thr Val Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile
 85 90 95
 Arg Pro Gln Pro Pro Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro
 100 105 110
 Thr Ile Leu Pro Gln Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln
 115 120 125
 Gln Pro Ala Ala Leu Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro
 130 135 140

Pro Gln Thr Thr Ser Ala Ser Val Gly Gln Gln Gln His Val Val Ser
 145 150 155 160

Gly Ser Ser Gly Gln Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val
 165 170 175

Gln Pro Thr Thr Gly Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser
 180 185 190

Thr Pro Pro Pro Thr Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr
 195 200 205

Leu Ser His Thr Gly Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
 210 215 220